

Title (en)

SERIAL SIGNAL TRANSMISSION APPARATUS AND METHOD OF CONTROLLING DETERMINATION OF POLARITY THEREOF

Title (de)

VORRICHTUNG ZUR SERIELLEN SIGNALÜBERTRAGUNG UND VERFAHREN ZUM STEuern DER POLARITÄTSFESTLEGUNG

Title (fr)

APPAREIL DE TRANSMISSION DE SIGNAUX SERIELS ET PROCEDE DE COMMANDE DE DETERMINATION DE LEUR POLARITE

Publication

EP 0451276 B1 19961211 (EN)

Application

EP 90906333 A 19900412

Priority

- JP 27604889 A 19891025
- JP 9000490 W 19900412

Abstract (en)

[origin: WO9107034A1] An apparatus that uses polar serial transmission of which the polarity can be switched, and method of controlling determination of polarity used for the apparatus. Two sets of a differential driver and a differential receiver for inverting polarity are provided for each of the control devices so that no limitation is imposed on the polarity in connecting a plurality of control devices using two crossover wirings. The method of controlling determination of polarity of the invention makes it possible to determine polarity of the control devices.

IPC 1-7

H04L 12/40; H04L 25/08; H04L 5/14

IPC 8 full level

H04L 5/14 (2006.01); **H04L 12/40** (2006.01); **H04L 25/08** (2006.01)

CPC (source: EP US)

H04L 5/14 (2013.01 - EP US); **H04L 12/403** (2013.01 - EP US); **H04L 25/08** (2013.01 - EP US)

Cited by

EP1467557A1; EP0738096A4; US7110239B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9107034 A1 19910516; DE 69029385 D1 19970123; DE 69029385 T2 19970403; EP 0451276 A1 19911016; EP 0451276 A4 19930505; EP 0451276 B1 19961211; US 5257160 A 19931026

DOCDB simple family (application)

JP 9000490 W 19900412; DE 69029385 T 19900412; EP 90906333 A 19900412; US 65126091 A 19910411